

# Notebook

March 4, 2024

## 1 Example

```
[ ]: import pandas as pd
```

```
[ ]: wine =pd.read_csv('D:\\Descargas Data\\Descargas 5\\winemag-data-130k-v2.
↪csv\\winemag-data-130k-v2.csv', index_col=0)
```

```
[ ]: wine
```

```
[ ]:
      country      description \
0      Italy  Aromas include tropical fruit, broom, brimston...
1    Portugal  This is ripe and fruity, a wine that is smooth...
2         US  Tart and snappy, the flavors of lime flesh and...
3         US  Pineapple rind, lemon pith and orange blossom ...
4         US  Much like the regular bottling from 2012, this...
...      ...
129966  Germany  Notes of honeysuckle and cantaloupe sweeten th...
129967         US  Citation is given as much as a decade of bottl...
129968  France  Well-drained gravel soil gives this wine its c...
129969  France  A dry style of Pinot Gris, this is crisp with ...
129970  France  Big, rich and off-dry, this is powered by inte...
```

```

      designation  points  price \
0      Vulkà Bianco      87    NaN
1      Avidagos        87    15.0
2           NaN        87    14.0
3      Reserve Late Harvest      87    13.0
4  Vintner's Reserve Wild Child Block      87    65.0
...      ...
129966  Brauneberger Juffer-Sonnenuhr Spätlese      90    28.0
129967           NaN      90    75.0
129968           Kritt      90    30.0
129969           NaN      90    32.0
129970      Lieu-dit Harth Cuvée Caroline      90    21.0
```

```

      province      region_1      region_2 \
0  Sicily & Sardinia      Etna      NaN
```

1	Douro	NaN	NaN
2	Oregon	Willamette Valley	Willamette Valley
3	Michigan	Lake Michigan Shore	NaN
4	Oregon	Willamette Valley	Willamette Valley
...	...	...	...
129966	Mosel	NaN	NaN
129967	Oregon	Oregon	Oregon Other
129968	Alsace	Alsace	NaN
129969	Alsace	Alsace	NaN
129970	Alsace	Alsace	NaN

	taster_name	taster_twitter_handle	\
0	Kerin O'Keefe	@kerinokeefe	
1	Roger Voss	@vossroger	
2	Paul Gregutt	@paulgwine	
3	Alexander Peartree	NaN	
4	Paul Gregutt	@paulgwine	
...	...	...	
129966	Anna Lee C. Iijima	NaN	
129967	Paul Gregutt	@paulgwine	
129968	Roger Voss	@vossroger	
129969	Roger Voss	@vossroger	
129970	Roger Voss	@vossroger	

		title	variety	\
0	Nicosia 2013	Vulkà Bianco (Etna)	White Blend	
1	Quinta dos Avidagos 2011	Avidagos Red (Douro)	Portuguese Red	
2	Rainstorm 2013	Pinot Gris (Willamette Valley)	Pinot Gris	
3	St. Julian 2013	Reserve Late Harvest Riesling ...	Riesling	
4	Sweet Cheeks 2012	Vintner's Reserve Wild Child...	Pinot Noir	
...	...	...	...	
129966	Dr. H. Thanisch (Erben Müller-Burggraef) 2013	...	Riesling	
129967	Citation 2004	Pinot Noir (Oregon)	Pinot Noir	
129968	Domaine Gresser 2013	Kritt Gewurztraminer (Als...	Gewurztraminer	
129969	Domaine Marcel Deiss 2012	Pinot Gris (Alsace)	Pinot Gris	
129970	Domaine Schoffit 2012	Lieu-dit Harth Cuvée Car...	Gewurztraminer	

	winery
0	Nicosia
1	Quinta dos Avidagos
2	Rainstorm
3	St. Julian
4	Sweet Cheeks
...	...
129966	Dr. H. Thanisch (Erben Müller-Burggraef)
129967	Citation
129968	Domaine Gresser

```
129969          Domaine Marcel Deiss
129970          Domaine Schoffit
```

```
[129971 rows x 13 columns]
```

```
[ ]: wine_df = pd.DataFrame(wine)
```

```
[ ]: wine.head()
```

```
[ ]:      country          description \
0      Italy  Aromas include tropical fruit, broom, brimston...
1  Portugal  This is ripe and fruity, a wine that is smooth...
2        US  Tart and snappy, the flavors of lime flesh and...
3        US  Pineapple rind, lemon pith and orange blossom ...
4        US  Much like the regular bottling from 2012, this...

      designation  points  price  province \
0      Vulkà Bianco      87   NaN  Sicily & Sardinia
1      Avidagos        87  15.0      Douro
2        NaN          87  14.0      Oregon
3      Reserve Late Harvest      87  13.0      Michigan
4  Vintner's Reserve Wild Child Block      87  65.0      Oregon

      region_1      region_2  taster_name \
0      Etna        NaN      Kerin O'Keefe
1        NaN        NaN      Roger Voss
2  Willamette Valley  Willamette Valley      Paul Gregutt
3  Lake Michigan Shore        NaN  Alexander Peartree
4  Willamette Valley  Willamette Valley      Paul Gregutt

      taster_twitter_handle          title \
0      @kerinokeefe      Nicosia 2013 Vulkà Bianco (Etna)
1      @vossroger      Quinta dos Avidagos 2011 Avidagos Red (Douro)
2      @paulgwine      Rainstorm 2013 Pinot Gris (Willamette Valley)
3        NaN  St. Julian 2013 Reserve Late Harvest Riesling ...
4      @paulgwine  Sweet Cheeks 2012 Vintner's Reserve Wild Child...

      variety      winery
0  White Blend      Nicosia
1  Portuguese Red  Quinta dos Avidagos
2    Pinot Gris      Rainstorm
3    Riesling      St. Julian
4    Pinot Noir      Sweet Cheeks
```

```
[ ]: wine.shape
```

```
[ ]: (129971, 13)
```

```
[ ]: wine.tail()
```

```
[ ]:      country      description \
129966 Germany Notes of honeysuckle and cantaloupe sweeten th...
129967      US Citation is given as much as a decade of bottl...
129968 France Well-drained gravel soil gives this wine its c...
129969 France A dry style of Pinot Gris, this is crisp with ...
129970 France Big, rich and off-dry, this is powered by inte...

      designation points price province \
129966 Brauneberger Juffer-Sonnenuhr Spätlese      90  28.0  Mosel
129967      NaN      90  75.0  Oregon
129968      Kritt      90  30.0  Alsace
129969      NaN      90  32.0  Alsace
129970      Lieu-dit Harth Cuvée Caroline      90  21.0  Alsace

      region_1      region_2      taster_name taster_twitter_handle \
129966      NaN      NaN Anna Lee C. Iijima      NaN
129967 Oregon Oregon Other      Paul Gregutt      @paulgwine
129968 Alsace      NaN      Roger Voss      @vossroger
129969 Alsace      NaN      Roger Voss      @vossroger
129970 Alsace      NaN      Roger Voss      @vossroger

      title      variety \
129966 Dr. H. Thanisch (Erben Müller-Burggraef) 2013 ...      Riesling
129967      Citation 2004 Pinot Noir (Oregon)      Pinot Noir
129968 Domaine Gresser 2013 Kritt Gewurztraminer (Als... Gewürztraminer
129969      Domaine Marcel Deiss 2012 Pinot Gris (Alsace)      Pinot Gris
129970 Domaine Schoffit 2012 Lieu-dit Harth Cuvée Car... Gewürztraminer

      winery
129966 Dr. H. Thanisch (Erben Müller-Burggraef)
129967      Citation
129968      Domaine Gresser
129969      Domaine Marcel Deiss
129970      Domaine Schoffit
```

```
[ ]: wine.country
```

```
[ ]: 0      Italy
      1      Portugal
      2      US
      3      US
      4      US
      ...
129966 Germany
129967      US
```

```

129968      France
129969      France
129970      France
Name: country, Length: 129971, dtype: object

```

```
[ ]: wine['country'][0]
```

```
[ ]: 'Italy'
```

```
[ ]: wine.iloc[0]
```

```

[ ]: country                Italy
description      Aromas include tropical fruit, broom, brimston...
designation      Vulkà Bianco
points           87
price            NaN
province        Sicily & Sardinia
region_1         Etna
region_2         NaN
taster_name      Kerin O'Keefe
taster_twitter_handle @kerinokeefe
title            Nicosia 2013 Vulkà Bianco (Etna)
variety          White Blend
winery           Nicosia
Name: 0, dtype: object

```

```
[ ]: wine.loc[:,['country', 'price']]
```

```

[ ]:   country  price
0      Italy   NaN
1  Portugal  15.0
2        US   14.0
3        US   13.0
4        US   65.0
...
129966  Germany  28.0
129967      US   75.0
129968  France  30.0
129969  France  32.0
129970  France  21.0

```

```
[129971 rows x 2 columns]
```